Index □ Volume 48, 2000

ARTICLES (by title)

Applying a Connectionist Description of Feedback Timing, Roy B. Clariana, Daren Wagner, and Lucia C. Roher Murphy, 48:3, 5–21.

A Co-Evolutionary Model for Supporting the Emergence of Authenticity, Sasha A. Barab, Kurt D. Squire, and William Dueber, 48:2, 37–62.

Cognitive Requirements for Learning with Open-Ended Learning Environments, Susan M. Land, 48:3, 61–78.

Conceptualizing Learner Support Space, Ward Mitchell Cates and Ronald R. Bruce, 48:1, 85–98.

Editor's Note, Steven M. Ross, 48:1, 4.

Editor's Note, Steven M. Ross, 48:4, 4.

Expert Systems as a Mindtool to Facilitate Mental Model Learning, Susan Dale Mason-Mason and Martin A. Tessmer, 48:4, 43–62.

Implementation and Evaluation of a Student-Centered Learning Unit: A Case Study, Thomas Brush and John Saye, 48:3, 79–100.

An Instructional Design Framework for Authentic Learning Environments, Jan Herrington and Ron Oliver, 48:3, 23–48.

Learner Control Over Full and Lean Computer-Based Instruction Under Differing Ability Levels, Heidi L. Schnackenberg and Howard J. Sullivan, 48:2, 19–35.

Learner Control Over Full and Lean Computer-Based Instruction Under Personalization of Mathematics Word Problems in Taiwan, Heng-Yu Ku and Howard J. Sullivan, 48:3, 49–59.

Long-Term Instructional Development: A 20-year ID and Implementation Project, Howard Sullivan, Kay Ice, and Fred Niedermeyer, 48:4, 87–99.

Personalization of Mathematics Word Problems in Taiwan, Heng-Yu Ku and Howard J. Sullivan, 48:3, 49–59.

Project-Based Learning with the World Wide Web: A Qualitative Study of Resource Integration, Susan M. Land and Barbara A. Greene, 48:1, 45–68.

Promoting Multicultural Understanding and Positive Self-Concept Through a Distance Learning Community: Cultural Connections, Lauren Cifuentes and Karen L. Murphy, 48:1, 69–83.

Rapid Prototyping Methodology in Action: A Developmental Study, Toni Stokes Jones and Rita C. Richey, 48:2, 63–80.

Reflections on the State of Educational Technology Research and Development, Robert Kozma, 48:1, 5–15.

Reflections on the State of Educational Technology Research and Development: A Response to Kozma, Rita C. Richey, 48:1, 16–18.

The Relationship Between Technology and Design in Educational Technology Research and Development: A Reply to Richey, Robert Kozma, 48:1, 19–21.

Self-Efficacy for Self-Regulated Learning, Academic Self-Efficacy, and Internet Self-Efficacy in Web-Based Instruction, Young-Ju Joo, Mimi Bong, and Ha-Jeen Choi, 48:2, 5–17.

Supporting the Development of Science Inquiry Skills with Special Classes of Software, Mark Windschitl, 48:2, 81–95.

Supporting Distributed Communities of Practice with Interactive Television, Kurt D. Squire and Christine B. Johnson, 48:1, 23–43.

A Tool for Analyzing Implementation Fidelity of an Integrated Learning System, Steven C. Mills and Tillman J. Ragan, 48:4, 21–41.

Toward a Design Theory of Problem Solving, David H. Jonassen, 48:4, 63–85.

Toward a Post-Modern Agenda in Instructional Technology, David L. Solomon, 48:4, 5–20.

ARTICLES (by author)

Barab, Sasha A., Kurt D. Squire, and William Dueber. A Co-Evolutionary Model for Supporting the Emergence of Authenticity, 48:2, 37–62.

Bong, Mimi *See* Joo, Young-Ju.

Bruce, Ronald R. *See* Cates, Ward Mitchell.

Brush, Thomas and John Saye. Implementation and Evaluation of a Student-Centered Learning Unit: A Case Study, 48:3, 79–100.

Cates, Ward Mitchell and Ronald R. Bruce. Conceptualizing Learner Support Space, 48:1, 85–98.

Choi, Ha-Jeen *See* Joo, Young-Ju.

Cifuentes, Lauren and Karen L. Murphy. Promoting Multicultural Understanding and Positive Self-Concept Through a Distance Learning Community: Cultural Connections, 48:1, 69–83.

Clariana, Roy B., Daren Wagner, and Lucia C. Roher Murphy. Applying a Connectionist Description of Feedback Timing, 48:3, 5–21.

Dueber, William. *See* Barab, Sasha A.

Greene, Barbara A. *See* Land, Susan M.

Herrington, Jan and Ron Oliver. An Instructional Design Framework for Authentic Learning Environments, 48:3, 23–48.

Ice, Kay. *See* Sullivan, Howard J.

Johnson, Christine B. *See* Squire, Kurt D.

Jonassen, David H. Toward a Design Theory of Problem Solving, 48:4, 63–85.

Jones, Toni Stokes and Rita C. Richey. Rapid Prototyping Methodology in Action: A Developmental Study, 48:2, 63–80.

Joo, Young-Ju, Mimi Bong, and Ha-Jeen Choi. Self-Efficacy for Self-Regulated Learning, Academic Self-Efficacy, and Internet Self-Efficacy in Web-Based Instruction, 48:2, 5–17.

Kozma, Robert. Reflections on the State of Educational Technology Research and Development, 48:1, 5–15.

Kozma, Robert. The Relationship Between Technology and Design in Educational Technology Research and Development: A Reply to Richey, 48:1, 19–21.

Ku, Heng-Yu and Howard J. Sullivan. Personalization of Mathematics Word Problems in Taiwan, 48:3, 49–59.

Land, Susan M. Cognitive Requirements for Learning with Open-Ended Learning Environments, 48:3, 61–78.

Land, Susan M. and Barbara A. Greene. Project-Based Learning with the World Wide Web: A Qualitative Study of Resource Integration, 48:1, 45–68.

Mason-Mason, Susan Dale and Martin A. Tessmer. Expert Systems as a Mindtool to Facilitate Mental Model Learning, Susan Dale , 48:4, 43–62.

Mills, Steven C. and Tillman J. Ragan. A Tool for Analyzing Implementation Fidelity of an Integrated Learning System, 48:4, 21–41.

Murphy, Karen L. *See* Cifuentes, Lauren.

Murphy, Lucia C. Roher. *See* Clariana, Roy B.

Niedermeyer, Fred. *See* Sullivan, Howard J.

Oliver, Ron. *See* Herrington, Jan.

Ragan, Tillman J. *See* Mills, Steven C.

Richey, Rita C. Reflections on the State of Educational Technology Research and Development: A Response to Kozma, 48:1, 16–18.

Richey, Rita C. *See* Jones, Toni Stokes.

Ross, Steven M. Editor's Note, 48:1, 4.

Ross, Steven M. Editor's Note, 48:4, 4.

Saye, John. *See* Brush, Thomas.

Schnackenberg, Heidi L. and Howard J. Sullivan. Learner Control Over Full and Lean Computer-Based Instruction Under Differing Ability Levels, 48:2, 19–35.

Solomon, David L. Toward a Post-Modern Agenda in Instructional Technology, 48:4, 5–20.

Squire, Kurt D. and Christine B. Johnson. Supporting Distributed Communities of Practice with Interactive Television, 48:1, 23–43.

Squire, Kurt D. *See* Barab, Sasha A.

Sullivan, Howard J., Kay Ice, and Fred Niedermeyer. Long-Term Instructional Development: A 20-year ID and Implementation Project, 48:4, 87–99.

Sullivan, Howard J. *See* Ku, Heng-Yu.

Sullivan, Howard J. *See* Schnackenberg, Heidi L.

Tessmer, Martin A. *See* Mason-Mason, Susan Dale.

Wagner, Daren. *See* Clariana, Roy B.

Windschitl, Mark. Supporting the Development of Science Inquiry Skills with Special Classes of Software, 48:2, 81–95.

BOOK REVIEWS (by title)

Teaching and Learning at a Distance: Foundations of Distance Education, Michael Simonson, Sharon Smaldino, Michael Albright, and Susan Zvacek. Reviewed by Jennifer Summerville, 48:2, 97–98.

Visual Design for Instructional Multimedia, Earl R. Misanchuk, Richard A. Schwier, and Elizabeth Boling. Reviewed by Scott Grabinger, 48:3, 101–102.

BOOK REVIEWS (by author or editor)

Albright, Michael. *See* Simonson, Michael.

Boling, Elizabeth. *See* Misanchuk, Earl R.

Misanchuk, Earl R. Richard A. Schwier, and Elizabeth Boling. Visual Design for Instructional Multimedia, 48:3, 101–102.

Schwier, Richard A. *See* Misanchuk, Earl R.

Simonson, Michael, Sharon Smaldino, Michael Albright, and Susan Zvacek. Teaching and Learning at a Distance: Foundations of Distance Education, 48:2, 97–98.

Smaldino, Sharon. *See* Simonson, Michael.

Zvacek, Susan. *See* Simonson, Michael.

BOOK REVIEWERS

Grabinger, Scott. 48:3, 101–102.

Summerville, Jennifer, 48:2, 97–98.

INTERNATIONAL REVIEWS

Coming of Age in Cyberspace, by Andrew Yeaman, 48:4, 102–106.

Ethical Concerns of Educational Technologists in Iran, by Abbas Johari, 48:4, 107–109.

Information and Communication Technology (ICT) for Education: Research and Development for the Educational Integration of Technology in Eastern European Countries, by Piet Kommers, 48:3, 104–111.

Information and Communication Technology (ICT) in Lower Secondary Schools in Bulgaria, the Czech Republic, Hungary, Lithuania, and the Russian Federation, by W.J. Pelgrum and J.M. Voogt, 48:3, 111–121.

Instructional Technology in Asia: Focus on Japan and Korea, by Toshiyuki Mizukoshi, Youngsoo Kim and Jong Yeon Lee, 48:1, 101–112.

The Integration of ICT in Preservice Teacher Education: A Pilot Project at Three Teacher-Training Colleges in St. Petersburg, Moscow, and Amsterdam, by Joke Voogt, Yuri Gorokovatschky, and Natalia Pourycheva, 48:3, 121–125.

Introduction, by J. Nicholls Eastmond, Editor, 48:1, 100; 48:2, 99; 48:3, 103–104; 48:4, 100.

Introduction, by Annette C. Sherry, Guest Editor, 48:4, 100–101.

Pioneering a Web-based Science Museum in Taiwan: Design and Implementation of Lifelong Distance Learning of Science Education, by Shelley Shwu-Ching Young, Yi-Long Huang, and Jyh-Shing Roger Jang, 48:1, 112–123.

Realizing the Promise of Distance Education in Low Technology Countries, by Dan Eastmond, 48:2, 100–111.

Second-hand Equipment and Social Responsibility, by Nick Eastmond, 48:4, 109–110.

Some Ethical Concerns in Ed-Tech Consultancies Across Borders, by François Marchessou, 48:4, 110–114.

RESEARCH ABSTRACTS (by title)

Assessing the Impact of Technology on Teaching and Learning: Student Perspectives, Barbara Draude and Sylvia Brace, 48:4, 116.

Barriers to Adopting Emerging Technologies in Education, Patricia L. Rogers, 48:1, 125–126.

A Comparative Study of Student Teachers' Computer Use During the Practicum, Yu-Mei Wang, 48:3, 128.

Do Computers Enhance or Detract from Student Learning? George D. Kuh and Nick Vesper, 48:1, 126.

The Effectiveness of Interactive Distance Learning Technologies on K–12 Academic Achievement, Catherine S. Cavanaugh, 48:1, 125.

The Effectiveness of Web-Based Instruction: A Case Study, Sylvia E. White, 48:4, 116.

The Effectiveness of Window Presentation Strategy and Cognitive Style of Field Dependence Status on Learning from Mediated Instructions, Patricia R. Ikegulu and T. Nelson, 48:1, 127.

High School Student Perceptions of the Strengths and Weaknesses of an Educational Interactive Video Program over a Four-Year Time Span: Log-Linear Analysis, E. Lea Witta and George T. Witta, 48:2, 114.

High School Students' Motivation to Engage in Conceptual Change Learning in Science, Lily Barlia; Michael E. Beeth, 48:1, 124–125.

The Impact of Education Technology on Student Achievement: What the Most Current Research Has To Say, John Schacter, 48:3, 126–127.

Interaction in Interactive Television Instruction: Perception versus Reality, Chris Sorensen and Danilo M. Baylen, 48:1, 126.

Mapping-Enhanced Collaborative Knowledge Construction, Frank Fisher, Johannes Bruhn, Cornelia Graesel, and Heinz Mandl, 48:2, 112.

Measuring Students' Attitude Toward Educational Use of the Internet, Ashley Duggan, Brian Hess, Deanna Morgan, Sooyeon Kim, and Katherine Wilson, 48:2, 115.

Mentoring Pre-Service Teachers for Technology Skills Acquisition, Randal D. Carlson and John S. Gooden, 48:2, 113.

Preservice Teachers' Perceived Effectiveness of Technology Resources: A Cross-National Study, Shwu-yong L. Huang and Yolanda N. Padron, 48:2, 114.

A Qualitative and Quantitative Evaluation: Innovative Use of Internet Based Collaboration, Deanie French, 48:3, 127.

The Role of Hypermedia Cases on Preservice Teachers' Views of Reading Instruction, Joan E. Hughes, Becky Wai-Ling Packard, and P. David Pearson, 48:4. 115–116.

Searching the Web: Expert-Novice Differences in a Problem Solving Context, Francesca Luconi and Diana Tabatabai, 48:1, 126.

A Study of the Use of Reading Software in the Classroom, Terri L. Sawyer, 48:3, 128.

Teacher Education Students' Beliefs about Technology, Jon Margerum-Leys and Ronald W. Marx, 48:2, 114.

Teaching the Same Course via Distance and Traditional Education: A Case Study, Yuliang Liu and David Thompson, 48:3, 127.

Teachers and Technological Tools in the Middle School, Seung Jin and Ronald J. Abate, 48:3, 127–128.

Timber Lane Tales: Problem-Centered Learning and Technology Integration, Priscilla Norton and Debra Sprague, 48:2, 113–114.

Understanding Children Through Visual Images on Their Webpages, Amy Sheng Chieh Leh, 48:2, 113.

Using the WWW for Teaching and Learning in K–12 Classrooms: What Are the Interesting Research Questions? Mark Windschitl, 48:1, 127.

RESEARCH ABSTRACTS (by author)

Abate, Ronald J. *See* Jin, Seung.

Barlia, Lily and Michael E. Beeth. High School Students' Motivation to Engage in Conceptual Change Learning in Science, 48:1, 124–125.

Baylen, Danilo M. *See* Sorensen, Chris.

Beeth, Michael E. *See* Barlia, Lily.

Brace, Sylvia. *See* Draude, Barbara.

Bruhn, Johannes. *See* Fisher, Frank.

Carlson, Randal D and John S. Gooden. Mentoring Pre-Service Teachers for Technology Skills Acquisition, 48:2, 113.

Cavanaugh, Catherine S. The Effectiveness of Interactive Distance Learning Technologies on K–12 Academic Achievement, 48:1, 125.

Draude, Barbara and Sylvia Brace. Assessing the Impact of Technology on Teaching and Learning: Student Perspectives, 48:4, 116.

Duggan, Ashley, Brian Hess, Deanna Morgan, Sooyeon Kim, and Katherine Wilson. Measuring Students' Attitude Toward Educational Use of the Internet, 48:2, 115.

Fisher, Frank, Johannes Bruhn, Cornelia Graesel, and Heinz Mandl. Mapping-Enhanced Collaborative Knowledge Construction, 48:2, 112.

French, Deanie. A Qualitative and Quantitative Evaluation: Innovative Use of Internet Based Collaboration, 48:3, 127.

Gooden, John S. *See* Carlson, Randal D.

Graesel, Cornelia. *See* Fisher, Frank.

Hess, Brian. *See* Duggan, Ashley

Huang, Shwu-yong L. and Yolanda N. Padron. Preservice Teachers' Perceived Effectiveness of Technology Resources: A Cross-National Study, 48:2, 114.

Hughes, Joan E., Becky Wai-Ling Packard, and P. David Pearson. The Role of Hypermedia Cases on Preservice Teachers' Views of Reading Instruction, 48:4. 115–116.

Ikegulu, Patricia R. and T. Nelson. The Effectiveness of Window Presentation Strategy and Cognitive Style of Field Dependence Status on Learning from Mediated Instructions, 48:1, 127.

Jin, Seung and Ronald J. Abate. Teachers and Technological Tools in the Middle School, 48:3, 127–128.

Kim, Sooyeon. *See* Duggan, Ashley.

Kuh, George D. and Nick Vesper. Do Computers Enhance or Detract from Student Learning? 48:1, 126.

Leh, Amy Sheng Chieh. Understanding Children Through Visual Images on Their Webpages, 48:2, 113.

Liu, Yuliang and David Thompson. Teaching the Same Course via Distance and Traditional Education: A Case Study, 48:3, 127.

Luconi, Francesca and Diana Tabatabai. Searching the Web: Expert-Novice Differences in a Problem Solving Context, 48:1, 126.

Mandl, Heinz. *See* Fisher, Frank.

Margerum-Leys, Jon and Ronald W. Marx. Teacher Education Students' Beliefs about Technology, 48:2, 114.

Marx, Ronald W. *See* Margerum-Leys, Jon.

Morgan, Deanna. *See* Duggan, Ashley.

Nelson, T. *See* Ikegulu, Patricia R.

Norton, Priscilla and Debra Sprague. Timber Lane Tales: Problem-Centered Learning and Technology Integration, 48:2, 113–114.

Packard, Becky Wai-Ling. *See* Hughes, Joan E.

Padron, Yolanda N. *See* Huang, Shwu-yong L.

Pearson, P. David. *See* Hughes, Joan E.

Rogers, Patricia L. Barriers to Adopting Emerging Technologies in Education, 48:1, 125–126.

Sawyer, Terri L. A Study of the Use of Reading Software in the Classroom, 48:3, 128.

Schacter, John. The Impact of Education Technology on Student Achievement: What the Most Current Research Has To Say, 48:3, 126–127.

Sorensen, Chris and Danilo M. Baylen. Interaction in Interactive Television Instruction: Perception versus Reality, 48:1, 126.

Sprague, Debra. *See* Norton, Priscilla.

Tabatabai, Diana. *See* Luconi, Francesca.

Thompson, David. *See* Liu, Yuliang.

Vesper, Nick. *See* Kuh, George D.

Wang, Yu-Mei. A Comparative Study of Student Teachers' Computer Use During the Practicum, 48:3, 128.

White, Sylvia E. The Effectiveness of Web-Based Instruction: A Case Study, 48:4, 116.

Wilson, Katherine. *See* Duggan, Ashley

Windschitl, Mark. Using the WWW for Teaching and Learning in K–12 Classrooms: What Are the Interesting Research Questions? 48:1, 127.

Witta, E. Lea and George T. Witta. High School Student Perceptions of the Strengths and Weaknesses of an Educational Interactive Video Program over a Four-Year Time Span: Log-Linear Analysis, 48:2, 114.

Witta, George T. *See* Witta, E. Lea.